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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/847,013	04/30/2001	David Hilton Shur	D.H. Shur 112260 DIV	5368

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EXAMINER

NGUYEN, STEVEN H D

ART UNIT PAPER NUMBER

2665

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/847,013

Applicant(s)

SHUR ET AL.

Examiner

Steven HD Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 May 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-20 is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Aggarwal (USP 6154463).

Regarding claim 1, Aggarwal discloses (Figs 1-17 and col. 1, line 10 to col. 25, lines 55) a method practiced at a gateway server (Fig 1 2, Ref R1 is multicast session directory server) connected to a Multicast network (Fig 2, the links between the routers) and a Unicast network (Fig 2, a link between host and router or host and base station) for adapting Multicast sessions on said Multicast network in response to requests by a Unicast client on said Unicast network comprising accumulating directory information relating to Multicast sessions on said Multicast network (col. 7, lines 1-42, the server exchanges the session information “read on accumulating the sessions”); supplying said Unicast client with said directory information (col. 11, lines 3-12); receiving a request at the gateway server from said Unicast client to adapt sessions on said Multicast network, said request including information about at least one Multicast session, sending at least one message regarding said at least one Multicast session to at least one address on said Multicast network (col. 11, lines 3-12).

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Regarding claim 2, Aggarwal discloses said request to adapt sessions on said Multicast network received at said gateway server comprises a request to create a new Multicast session on said Multicast network, and wherein said information about said at least one Multicast session comprises information about said new Multicast session (Col. 21, lines 34-42).

Regarding claim 3, Aggarwal discloses said sending messages regarding said new Multicast session comprises announcing said new Multicast session onto said Multicast network to a predetermined Multicast address for such announcements (col. 11, lines 3-12).

Regarding claim 4, Aggarwal discloses the Unicast and Multicast networks are IP (Internet Protocol) Unicast and IP Multicast networks, respectively (Fig 2).

Regarding claim 5, Aggarwal discloses said announcing said new Multicast session onto said Multicast network comprises announcing said new Multicast session periodically onto said Multicast network (Col. 7, lines 38-42).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aggarwal (USP 6154463).

Regarding claims 6-7, Aggarwal fails to disclose authenticating said Unicast client before supplying the Unicast client with the directory information and authenticates the user before

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allowing the user to create a discussion group. However, it would have been obvious to one of ordinary skill in the art at the time of invention was made to implement a login function at the server before forwarding the directory information to the user or allow a user to create a discussion group because Aggarwal suggests that a server authenticates the user before allowing the user to join a discussion group and the security function is well known and expected in the art. The motivation would have been to provide a security for the server.

Allowable Subject Matter

5. Claims 8-20 are allowed.

Response to Arguments

6. Applicant's arguments filed 5/16/05 and 3/29/05 have been fully considered but they are not persuasive.

In response to page 9, the applicant states that Aggarwal fails to disclose (1) a unicast network and unicast client; (2) adapting multicast sessions on the multicast network in response to requests by a unicast client on the unicast network; (3) supplying the unicast client with the directory information; (4) receiving a request at the gateway server from the unicast client". In reply, with respect to (1), Aggrawal discloses a central site transmits the multicast packet that received from a multicast network to the clients by using a unicast techniques (See col. 1, lines 48-63); with respect to (2), in fig 1-17, Aggrawal discloses a network such as wireline and wireline and wireless which includes the router for interfacing between the unicast network (See col. 1, lines 48-63, Fig 1, the link between host and router is unicast link because it does not

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includes in the Ref 20 which is multicast network and the link between the mobile and base station of fig 9) and multicast network (Fig 1, Ref 20), so the router used to adapt the multicast sessions from the multicast network in response to requests by the host such as station and mobile of figs 2 and 9). With respect to (3) and (4), Aggrawal discloses a host which want to joint a multicast session must query the area MSD server "session directory" for obtaining the information the discussion groups and select one of them to join. So the MSD server must forward the session directory to the host before the host select which one to join (See col. 7, lines 1-8, 32-42 and col. 11, liens 3-12, reads on forward the session directory to the client and receiving a request from the client at the MSD server). The teaching of Aggrawal performs the claimed invention.

Conclusion

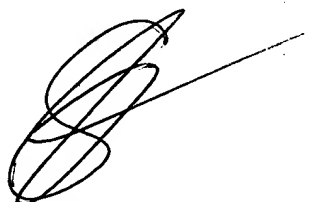
7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven HD Nguyen whose telephone number is (571) 272-3159. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy D. Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Steven HD Nguyen
Primary Examiner
Art Unit 2665
5/24/05